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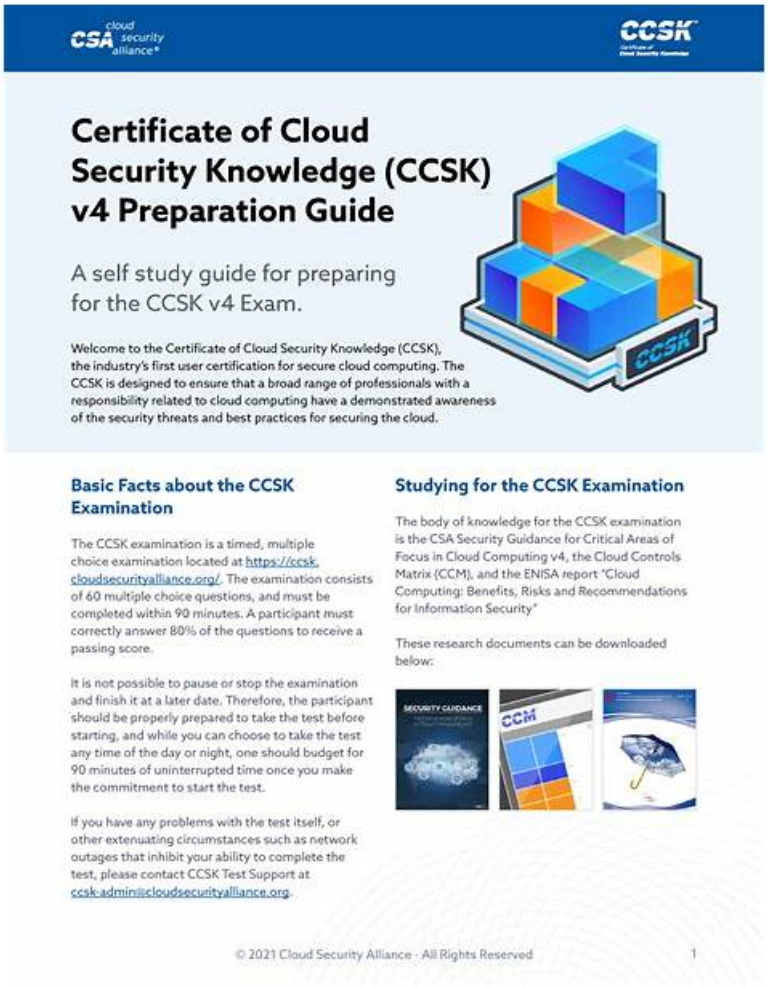
Certificate of Cloud Security Knowledge (CCSK) v4 Preparation Guide

A self study guide for preparing for the CCSK v4 Exam.

Welcome to the Certificate of Cloud Security Knowledge (CCSK), the industry's first user certification for secure cloud computing. The CCSK is designed to ensure that a broad range of professionals with a responsibility related to cloud computing have a demonstrated awareness of the security threats and best practices for securing the cloud.

Basic Facts about the CCSK Examination

The CCSK examination is a timed, multiple choice examination located at https://ccsk.cloudsecurityalliance.org/. The examination consists of 60 multiple choice questions, and must be completed within 90 minutes. A participant must correctly answer 80% of the questions to receive a passing score.

It is not possible to pause or stop the examination and finish it at a later date. Therefore, the participant should be properly prepared to take the test before starting, and while you can choose to take the test any time of the day or night, one should budget for 90 minutes of uninterrupted time once you make the commitment to start the test.

If you have any problems with the test itself, or other extenuating circumstances such as network outages that inhibit your ability to complete the test, please contact CCSK Test Support at ccsk-admin@cloudsecurityalliance.org.

Studying for the CCSK Examination

The body of knowledge for the CCSK examination is the CSA Security Guidance for Critical Areas of Focus in Cloud Computing v4, the Cloud Controls Matrix (CCM), and the ENISA report "Cloud Computing: Benefits, Risks and Recommendations for Information Security"

These research documents can be downloaded below:

BONUS!!! Download part of Exam4PDF CCSK dumps for free: https://drive.google.com/open?id=1WXVPyXNp4WKCKXqf7GeIJVeRqvnaRmSX

You can use this Cloud Security Alliance CCSK version on any operating system, and this software is accessible through any browser like Opera, Safari, Chrome, Firefox, and IE. You can easily assess yourself with the help of our CCSK practice software, as it records all your previous results for future use.

The CCSK: Certificate of Cloud Security Knowledge (v4.0) exam is a valuable certification for professionals in the field of cloud computing. CCSK Exam covers a wide range of topics and provides a comprehensive understanding of the various aspects of cloud security. Certificate of Cloud Security Knowledge v5 (CCSKv5.0) certification is recognized worldwide and is a valuable asset for professionals looking to enhance their career prospects and increase their job opportunities in the field of cloud computing.

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You must want to know your scores after finishing exercising our CCSK study guide, which help you judge your revision. Now, our windows software and online test engine of the CCSK real exam can meet your requirements. You can choose from two modules: virtual exam and practice exam. Then you are required to answer every question of the CCSK Exam Materials. And they will show the scores at the time when you finish the exam.

Cloud Security Alliance CCSK (Certificate of Cloud Security Knowledge) Certification Exam is a globally recognized certification program that validates the knowledge and skills required to securely leverage cloud services. The CCSK certification is designed to equip cloud computing professionals with the necessary skills and knowledge to secure their cloud environments effectively.

Certificate of Cloud Security Knowledge v5 (CCSKv5.0) certification exam is vendor-neutral and provides a comprehensive understanding of cloud security concepts, principles, and best practices.

Cloud Security Alliance Certificate of Cloud Security Knowledge v5 (CCSKv5.0) Sample Questions (Q264-Q269):

NEW QUESTION # 264
Audits should be robustly designed to reflect best practice, appropriate resources, and tested protocols and standards. They should also use what type of auditors?

- A. Independent auditors
- B. Certified by CSA
- C. None of the above
- D. Auditors working in the interest of the cloud customer
- E. Auditors working in the interest of the cloud provider

Answer: A

NEW QUESTION # 265
What Identity and Access Management (IAM) process decides to permit or deny a subject access to system objects like networks, data, or applications?

- A. Authentication
- B. Federation
- C. Authorization
- D. Provisioning

Answer: C

Explanation:
The correct answer is A. Authorization. In Identity and Access Management (IAM), authorization is the process of determining whether a subject (user, application, or device) has the right to access a specific system object, such as networks, data, or applications. Authorization decisions are made after successful authentication and are based on the subject's permissions, roles, or attributes.
Key Characteristics of Authorization:
* Decision Making: Determines if access is permitted or denied based on policies or permissions.
* Role and Attribute-Based Access: Often uses Role-Based Access Control (RBAC) or Attribute-Based Access Control (ABAC) mechanisms to enforce policies.
* Post-Authentication Process: Occurs after authentication has verified the user's identity.
* Resource-Specific: Determines the level of access or specific operations (like read, write, execute) a user is allowed.
Example Scenario:
When a user logs into a cloud platform, the system first authenticates the user (verifies their identity) and then authorizes their access to specific resources, such as viewing data in an S3 bucket or managing a VM instance. The access policies define what actions the authenticated user can perform.
Why Other Options Are Incorrect:
* B. Federation: Involves linking a user's identity across multiple systems or domains but does not decide access permissions.
* C. Authentication: The process of verifying a user's identity, typically through passwords, biometrics, or multi-factor authentication (MFA), but it does not determine resource access.
* D. Provisioning: Refers to creating and managing user accounts and permissions, but it does not make real-time access decisions.
Real-World Context:
In cloud environments, services like AWS IAM or Azure AD use policies to authorize user actions after they have been authenticated. For instance, an AWS IAM policy might allow a user to list S3 buckets but deny deletion.
References:
CSA Security Guidance v4.0, Domain 12: Identity, Entitlement, and Access Management Cloud Computing Security Risk Assessment (ENISA) - IAM and Access Control Cloud Controls Matrix (CCM) v3.0.1 - Identity and Access Management Domain

NEW QUESTION # 266

What is the primary function of Data Encryption Keys (DEK) in cloud security?

- A. To encrypt application data
- B. To serve as the primary key for all cloud resources
- C. To directly manage user access control
- D. To increase the speed of cloud services

Answer: A

Explanation:
The primary function ofData Encryption Keys (DEK)in cloud security is toencrypt application data. DEKs are used to encrypt and decrypt specific data objects, such as files or database records, ensuring data confidentiality in cloud environments.
From theCCSK v5.0 Study Guide, Domain 10 (Data Security and Encryption), Section 10.3:
"Data Encryption Keys (DEKs) are used to encrypt and decrypt application data in cloud environments. DEKs are typically managed by key management services and applied to specific data objects to ensure confidentiality and protect against unauthorized access." Option B (To encrypt application data) is the correct answer.
* Option A (Increase speed) is incorrect because encryption does not enhance performance.
* Option C (Manage user access control) is incorrect because DEKs are for encryption, not access control.
* Option D (Primary key for all resources) is incorrect because DEKs are specific to data encryption, not resource management.
References:
CCSK v5.0 Study Guide, Domain 10, Section 10.3: Encryption and Key Management.

NEW QUESTION # 267
Which one of the following is an example of misuse or abuse of cloud services?

- A. DDoS Attack
- B. Honeypot
- C. XSS attacks
- D. Account Hijacking

Answer: A

Explanation:
Public cloud platform can be used to launch DDoS attack on other platforms.
Please note here and understand the meaning of phrase "abuse or misuse of cloud Services" This phrase means to launch attacks or campaign by using cloud as a platform. mostly. public cloud.

NEW QUESTION # 268
Which ISO standards addresses Privacy in the cloud environment?

- A. ISO 27017
- B. ISO 27034
- C. ISO 27018
- D. ISO 27032

Answer: C

Explanation:
ISO/IEC 27018:2014 establishes commonly accepted control objectives, controls and guidelines for implementing measures to protect Personally Identifiable Information (PII) in accordance with the privacy principles in ISO/IEC 29100 for the public cloud computing environment.

NEW QUESTION # 269
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